

L Number	Hits	Search Text	DB	Time stamp
5	21	(514/259.3,267).cccls. and (\$25[1,5-a]\$25 or \$25[1,5a]\$25) and @pd>20030815	USPAT; US-PGPUB	2004/09/28 10:45

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: S. Kumar Examiner #: 69594 Date: 9/28/04
 Art Unit: 1631 Phone Number 302-20640 Serial Number: 101472343
 Mail Box and Bldg/Room Location: AEM 5C03 Results Format Preferred (circle): PAPER DISK E-MAIL
5C18

If more than one search is submitted, please prioritize searches in order of need.

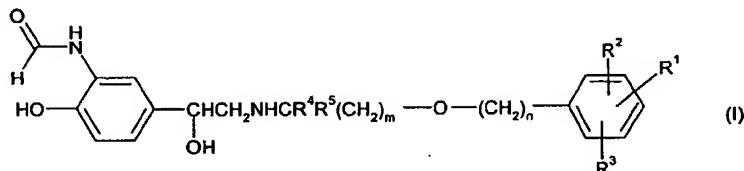
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Formaldehyde derivative as beta 2 - adrenoreceptor agonists

Inventors (please provide full names): Keith Boggadikar et al

Earliest Priority Filing Date: 3/22/2001

1. (Original) A compound of formula (I)



or a salt, solvate, or physiologically functional derivative thereof,
 wherein:

m is an integer of from 2 to 8;

n is an integer of from 3 to 11;

with the proviso that m + n is 5 to 19;

R¹ is $-XSO_2NR^6R^7$

wherein X is $-(CH_2)_p-$ or C₂₋₆ alkenylene;

wherein R⁶ and R⁷ are independently selected from hydrogen, C₁₋₆alkyl,

C₃₋₇cycloalkyl, C(O)NR⁸R⁹, phenyl, and phenyl (C₁₋₄alkyl)-,

or R⁶ and R⁷, together with the nitrogen to which they are bonded, form
 a 5-, 6-, or 7-membered nitrogen containing ring,

and R⁶ and R⁷ are each optionally substituted by one or two groups

selected from halo, C₁₋₆alkyl, C₁₋₆haloalkyl, C₁₋₆alkoxy, hydroxy-
 substituted C₁₋₆alkoxy, -CO₂R⁸, -SO₂NR⁸R⁹, -CONR⁸R⁹, -NR⁸C(O)R⁹,

or a 5-, 6- or 7-membered heterocyclic ring;

R⁸ and R⁹ are independently selected from hydrogen, C₁₋₆alkyl,

C₃₋₆cycloalkyl, phenyl, and phenyl (C₁₋₄alkyl)-;

p is an integer of from 0 to 6;

R² & R³ are H, alkyl, alkoxy, halo, phenyl, haloalkyl

R⁴ & R⁵ are H, " with the proviso that total number
 of carbon atoms in R⁴ & R⁵ are no more than 4.